IN THE CLAIMS:

Please amend Claim 7 as follows.

Claims 1-6. (Cancelled).

7. (Currently Amended) A detection method for detecting a plurality of different substances contained in a specimen using a label, comprising sequentially the steps of:

flowing the specimen through a detecting element having a first substance trapping portion immobilizing a first substance trapping body for specifically trapping a first substance contained in the specimen, a second substance trapping portion immobilizing a second substance trapping body for specifically trapping a second substance contained in the specimen, the second substance being different from the first substance, and a channel;

flowing a solution containing the label through the first substance trapping portion immobilizing the first substance trapping body and the second substance trapping portion immobilizing the second substance trapping body;

flowing a solution for generating a signal from the label through the first substance trapping portion immobilizing the label such that a first layer of aqueous solution flow through the first substance trapping portion and a second layer of aqueous solution flow through the second substance trapping portion coexist while a third layer of alcoholic solution flow exists between the first layer of aqueous solution flow and the second layer of aqueous

solution flow and that the solution for generating a signal from the label forms the first layer of aqueous solution flow, to thereby acquire a signal from the first substance trapping portion; and

flowing a solution for generating a signal from the label through the second substance trapping portion immobilizing the label such that a first layer of aqueous solution flow through the first substance trapping portion and a second layer of aqueous solution flow through the second substance trapping portion coexist while a third layer of alcoholic solution flow exists between the first layer of aqueous solution flow and the second layer of aqueous solution flow and that the solution for generating a signal from the label forms the second layer of aqueous solution flow, to thereby acquire a signal from the second substance trapping portion.

Claims 8-11. (Cancelled).

12. (Previously Presented) A detection method according to claim 7, wherein the label is an enzyme and the solution for generating a signal from the label is a solution containing a substrate for the enzyme.

13. (Previously Presented) A detection method according to claim 7, wherein the label is pH-sensitive fluorescent dye and the solution for generating a signal from the label is a solution having a pH which changes a fluorescent characteristic of the pH-sensitive fluorescent dye.